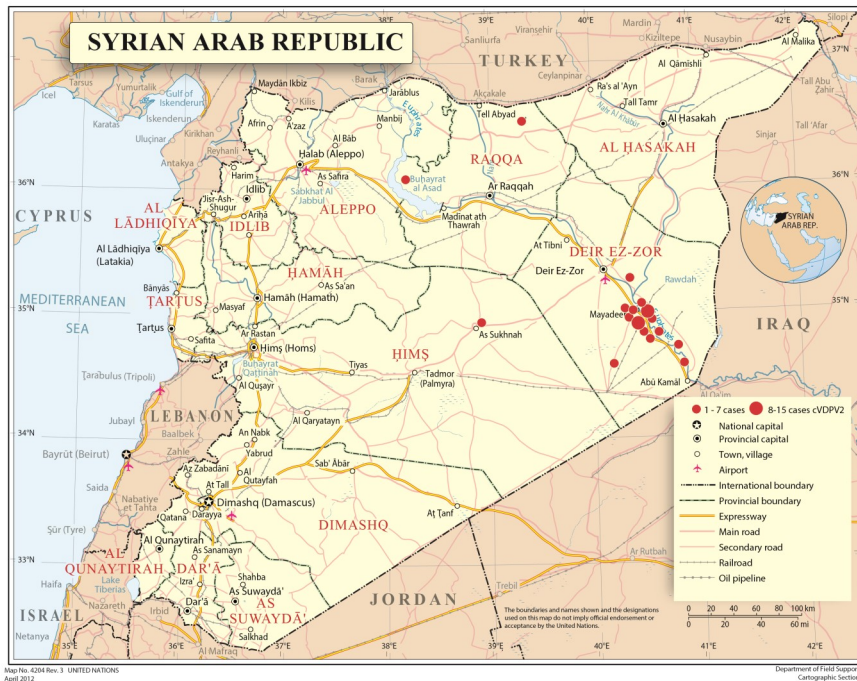


Syria cVDPV2 outbreak Situation Report # 27

19 December 2017

cVDPV2 cases in Deir Ez-Zor, Raqqa and Homs governorates, Syria, 2017



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Source: Syrian Arab Republic, Administrative map, DFS, United Nations 2012

Key highlights

- No new cases of cVDPV2 were reported this week. The most recent case (by date of onset) is 21 September 2017 from Boukamal district.
- The total number of confirmed cVDPV2 cases remains 74.
- Planning continues for the second phase of the outbreak response. GPEI continues to assist the Syrian Ministry of Health in the planning process.
- The second phase of the outbreak response will utilize mOPV2 and IPV in two additional immunization rounds through house-to-house and fixed center vaccination.

Immunization response

- More than 350,000 resident, refugee and internally displaced children have been reached with mOPV2 through two mass vaccination rounds in Deir Ez-Zor and Raqqa governorates since the start of the outbreak.
- In addition, World Health Organization and UNICEF have coordinated with the Government of Syria and local authorities to reach children aged 2-23 months with IPV in infected and high risk areas of Deir Ez-Zor, Raqqa, Aleppo, Idlib, Hama and Homs governorates and areas of Damascus, Rural Damascus and Hasakah.

Summary

New cVDPV2 cases this week: 0
 Total number of cVDPV2 cases: 74
 Outbreak grade: 3

Infected governorates and districts

Governorate	District	Number of cVDPV2 cases to date
Deir Ez-Zor	Mayadeen	58
	Deir Ez-Zor	1
Raqqa	Boukamal	12
	Tell Abyad	1
Homs	Thawra	1
	Tadmour	1

Index case

Location: Mayadeen district, Deir Ez-Zor governorate
 Onset of paralysis: 3 March 2017, age: 22 months, vaccination status: 2 OPV/zero IPV

Most recent case (by date of onset)

Location: Boukamal, Deir Ez-Zor governorate
 Onset of paralysis: 21 September 2017, age: 5 months, vaccination status: zero OPV/zero IPV

Characteristics of the cVDPV2 cases

Median age: 15 months
 Gender: approximately two thirds of cases are female
 Vaccination status of the cases:
 - IPV: 11 cases (15%) received IPV
 - OPV: 41% zero dose, 42% have received 1-2 doses

Distribution of non-polio AFP (NPAFP) and circulating vaccine-derived poliovirus type-2 (cVDPV2), Deir Ez-Zor, Raqqa and Homs governorates, 2017

Mth	Deir Ez-Zor		Raqqa		Homs	
	NPAFP	cVDPV2	NPAFP	cVDPV2	NPAFP	cVDPV2
Jan	2		2		2	
Feb	11		3		4	
Mar	5	2	1		2	
Apr	7	5	1	1	4	
May	13	16	2		3	
Jun	8	12	4	1	3	
Jul	8	9	2		8	1
Aug	13	22			6	
Sep	2	5	3		3	
Oct	2		4		8	
Nov	10		1		3	
Dec	1		1			
Total	82	71	24	2	46	1

- Senior Expanded Programme on Immunization (EPI) staff are working together with outbreak response teams to prepare for upcoming phase two vaccination activities. Teams are revising and updating microplans to ensure population movements are accounted for and newly accessible areas are included. There has also been mapping of roads for transporting vaccines and centres for vaccine distribution.
- Communication for Development and Social Mobilization plans for the second phase of outbreak response are being finalized.
- Processing of the shipment of 815,000 doses of mOPV2 for the second phase of the response is underway.
- Following the recent training of health staff on mobile data collection, a GAVI-funded field assessment of cold chain capacity is taking place this week in all accessible health facilities.
- Routine immunization services are being reestablished in Idlib, Aleppo, Hama and Raqqa governorates.

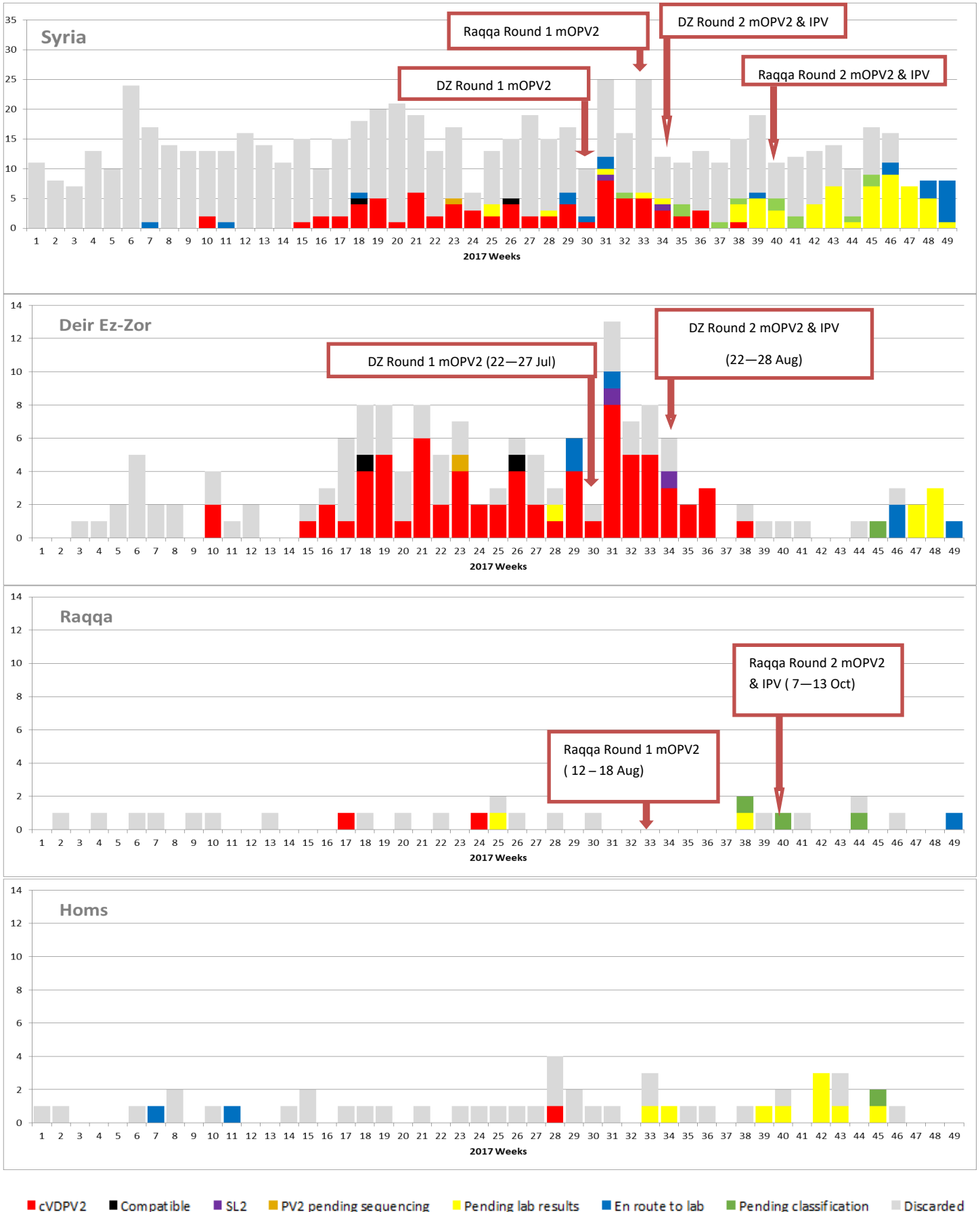
Coordination and surge support

- WHO and UNICEF continue to monitor the outbreak situation, exchange information, and assist in the response through the joint Emergency Operations Centres (EOCs) in both hubs (Gaziantep and Damascus).

Surveillance summary

- In 2017, Syria and all governorates but four are meeting both key indicators for AFP surveillance: 3* or more non-polio AFP cases per 100,000 children below 15 years of age, and 80 percent or above AFP cases with adequate specimens. Deir Ez-Zor (77%), Raqqa (73%), Rural Damascus (76%) and Swieda (63%) are missing the 80% target for stool adequacy. (*NB: In an outbreak setting, the target is 3 or more non-polio AFP cases per 100,000 children below 15 years).
- Activities to strengthen AFP surveillance are ongoing. Contact sampling from all AFP cases continues and stool samples are being taken from healthy children arriving from known infected areas as well as from silent districts (districts that have not reported AFP cases in 2017). In addition, physicians operating in camps in Raqqa and Hasakah governorates have been sensitized on reporting of AFP cases.
- The total number of AFP cases detected in Deir Ez-Zor governorate since the beginning of 2017 is 153 (109 from Mayadeen, 18 from Deir Ez-Zor, and 26 from Boukamal districts). Raqqa governorate has reported 26 AFP cases (11 from Raqqa, 13 from Tell Abyad, and 2 from Thawra districts). Homs governorate has reported 47 AFP cases (23 from Homs city, 20 from Rastan, 1 from Tadmour and 3 from Talkalakh districts).
- A new environmental surveillance laboratory has been successfully established in Damascus. WHO has led the training of surveillance officers and staff from the Ministry of Health and Ministry of Water Resources.
- There is one poliovirus type-2 isolate pending genomic sequencing.

EPI Curve of AFP cases by classification, 2017 (up to 19 December 2017)



Vaccination status (OPV) NPAFP cases aged 6-59 months (up to 19 December 2017)



Relevant links

- [Global Polio Eradication Initiative \(GPEI\) website](#), updated weekly
- [Responding to an outbreak of VDPV video](#)
- [What is vaccine-derived polio?](#)
- [GPEI factsheet—VDPV](#)

For more information:

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